

D2  
cont,

at, or about, 1072nm or at a wavelength centered at, or about, 1268nm so as to coincide with peak transmissions of a water molecule, the total bandwidth being restricted so as not to exceed the bandpass filter effect characterized by the transmission spectrum of the water molecule between 980nm and 1300nm, the system being capable of producing, at the site being treated, a radiation intensity of at least  $50 \mu\text{Watts/cm}^2$  and up to  $2 \text{ Watts/cm}^2$ .

D3

12. **(Three Times Amended)** An electromagnetic radiation therapy system according to Claim 1 wherein the electromagnetic radiation is pulsed, and the pulsed electromagnetic radiation is applied for pulse duration periods of at least 10-15  $\mu\text{seconds}$ .